IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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REVOCATION OF PRIOR POWERS OF ATTORNEY WITH NEW POWERS OF ATTORNEY BY THE ASSIGNEE OF THE ENTIRE INTERESTS AND CHANGES OF CORRESPONDENCE ADDRESS

As the assignee of record, owner of the assignee of record, or owner-of-right of the entire interest in each of the following applications and patents ("Assignee") through the following assignments recorded with the U.S. Patent and Trademark Office:

Docket No.	Appl. No. / Patent No.	Filing Date / Issue Date	Title / Inventor(s)	Reel	Frame
ANA-013	10/999,656 / 7,457,960	11-30-2004 / 11-25-2008	"Programmable Processor Supporting Secure Mode" / KABLOTSKY, Joshua	016040	0051
ANA-018	10/997,575	11-24-2004	"Video Data Encoder Employing Telecine Detection" / KABLOTSKY, Joshua	016029	0302
ANA-019	11/175,664	07-06-2005	"Method and System for Spreading and Scrambling Downlike Physical Channels" / ZHANG, Qian	017023	0693
ANA-022	11/056,890 / 7,194,156	02-11-2005 / 03-20-2007	"High Bit Rate Optical Communication Over Multimode Fibers" / DELIWALA, Shrenik	016816	0835
ANA-022C1	11/672,184 / 7,415,175	02-07-2007 / 08-19-2008	"High Bit Rate Optical Communication Over Multimode Fibers" / DELIWALA, Shrenik	019074	0622
ANA-031	11/363,683	02-28-2006	"Pixel Engine Architecture" / FRIEDMAN, Vladimir HENNEDY, Michael	017955	0152

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ANA-032	11/565,028	11-30-2006	"Static Phase Adjust Using I.C Tanks With Offset Center Frequencies" / KENNEY, John G. REDDY, Viswabharath P.	018794	0927
ANA-033	11/958,626	12-18-2007	"Bidirectional Optical Link Over a Single Multimade Fiber or Waveguide" / DELIWALA, Shrenik	020809	0969
ANA-034	10/858,723	06-02-2004	"Variable Filter Systems And Methods For Enhanced Data Rate Communication Systems" / McMORROW, Robert J BLANCHARD, Roxann	015770	0381
ANA-035	11/403,801	04-13-2006	"Inter-Digitated Silicon Photodiode Based Optical Receiver on SOI" / DELIWALA, Shrenik	018042	0165
ANA-036	09/675,569 / 7,155,570	09-29-2000 / 12-26-2006	"IFO Write/LIFO Read Trace Buffer With Software and Hardware Loop Compression" / SINGH, Ravi P., ROTH, Charles P. OVERKAMP, Gregory A.	011515 018891	0897 0599
ANQ-001	10/615,616 / 6,871,289	07-08-2003 / 03-22-2005	"Slew Rate Limited Reference For A Buck Converter" / PULLEN, Stuart GROOM, Terry J.	015054 021617 021617	0158 0678 0683
ANQ-002	10/615,458 / 7,106,566	07-08-2003 / 09-12-2006	"Power Adapter Interface Circuitry for Protecting a Battery Operated System" / LIU, Kwang H NEGRU, Sorin HSIEH, George CHEN, Jacky SHIH, Frank WU, Scott	014802 021617 021617	0852 0678 0683

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ANQ-003	10/615,486 / 7,107,468	07-08-2003 / 09-12-2006	"Peak Current Sharing In a Multi- Phase Buck Converter Power System" / PULLEN, Stuart GROOM, Terry J.	014995 021617 021617	0247 0678 0683
ANQ-004	10/614,978 / 7,019,504	07-08-2003 / 03-28-2006	"Constant On-Time Controller for a Buck Converter" / PULLEN, Stuart GROOM, Terry J.	014791 021617 021617	0465 0678 0683
ANQ-005	10/272,538 / 6,798,177	10-15-2002 / 09-28-2004	"Boost-Buck Cascade Converter For Pulsating Loads" / LIU, Kwang H. NEGRU, Sorin L. SHIH, Fu-Yuan HSIEH, George	013609 021617 021617	0139 0678 0683
ANQ-006	10/193,381 / 6,861,824	07-10-2002 / 03-01-2005	"Charger System with Dual-Level Current Regulation and Dual-Level Thermal Regulation" / LIU, Kwang H. NEGRU, Sorin L. SHIH, Fu-Yuan	013397 021617 021617	0960 0678 0683
ANQ-007	10/414,952 / 6,903,535	04-16-2003 / 06-07-2005	"Biasing System and Method for Low Voltage DC-DC Converters With Built-In N-FETS" / LIU, Kwang H. NEGRU, Sorin L.	013971 021617 021617	0857 0678 0683
ANQ-008	11/349,741	02-07-2006	"Automatic Voltage Selection for Series Driven LEDs" / SHAMI, Hassan B. WHITWORTH, Adam John	017593 021617 021617	0879 0678 0683
ANQ-009	11/533,737	09-20-2006	"Driving Parallel Strings of Series Connected LEDs" / NEGRU, Sorin L.	019844 021617	0690 0683
ANQ-010	11/116,724	04-28-2005	"Method and IC Driver for Series Connected R, G, B LEDs" / NEGRU, Sorin L.	016525 021617 021617	0108 0678 0683

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ANQ-011	11/097,663	04-01-2005	"Maximizing Efficiency of Battery- Powered Led Drivers" / EVANS, Michael WHITWORTH, Adam John	016197 016203 021617	0408 0416 0683
ANQ-012	11/349,732	02-07-2006	"Regulating Switching Regulators by Load Monitoring" / SHAMI, Hassan B.	017582 021617	0139 0683
ANQ-016	11/643,831 / 7,417,491	12-22-2006 / 08-26-2008	"Constant Current Output Charge Pump" / WU, Jean-Shin NEGRU, Sorin L.	018735 021617	0069 0683
ANQ-017	11/643,819	12-22-2006	"Low-Power Power-On Reset Circuit" / WU, Jean-Shin	018736 021617	0616 0683

all powers of attorney previously given are hereby revoked, and the attorneys and/or agents associated with Customer Number 051414 are hereby appointed to prosecute and transact all business in the U.S. Patent and Trademark Office connected therewith.

The assignee and/or the owner also hereby grants additional Powers of Attorney to the attorneys and/or agents associated with **Customer Number 051414** to file and prosecute foreign national patent applications in any and all countries of the world, regional patent applications under the European Patent Convention, and/or international applications under the Patent Cooperation Treaty or the Paris Convention based upon the above-identified applications and patents, including a power to meet all designated office requirements for designated states.

The assignee of record, owner of the assignee of record, or owner-of-right of the entire interest in each of the above-identified patents or patent applications is:

Analog Devices, Inc. One Technology Way P. O. Box 9106 Norwood, MA 02062-9106 All future correspondence for each of the above-identified applications should be sent to the correspondence address associated with **Customer Number 051414**, which is:

Patent Administrator Goodwin Procter LLP Exchange Place 53 State Street Boston, MA 02109

PLEASE ASSIGN PTO CUSTOMER NUMBER <u>051414</u> TO EACH OF THE ABOVE-IDENTIFIED APPLICATIONS

The undersigned, whose title is supplied below, is authorized to act on behalf of the Assignee.

Respectfully submitted,

Dated: 1-9-09

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